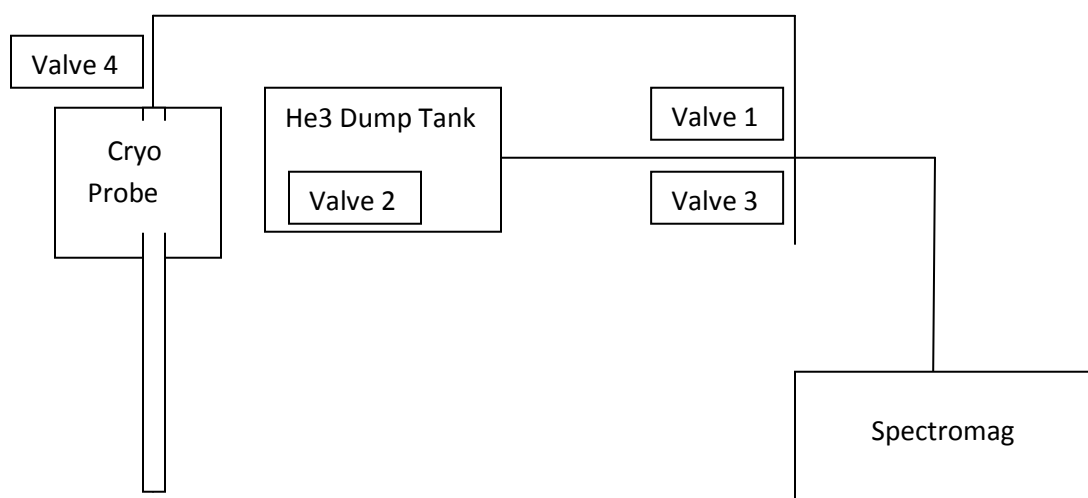


Cryopumping procedure.

To recover most of the He3 trapped in the Sample chamber before cooling down or at any other stage of the Spectromag operation we need to cryopump the He3 in to the He3 dump tank. For this we use the cryo-pump probe attached to the dump tank.



Close green valve connecting He3 dump tank and spectromag(on the cryostat). Open valve 1. Insert the cryo probe in a 100L He4 Dewar. Wait till the blow off reduce. Then open Valve 4. Now we are cryopumping line. After the cryo pumping line is done, the blow off from dewar stops. Open green valve. Hot gas from cryostat causes blow off. Wait till blow off stops. Then close green valve (on cryostat). Take the line out and open valve 2(on dump tank). Wait till the probe is warm and repeat the above steps after closing valve 2 to recover as much He3 as possible.